

CRESSI

SINCE 1946

Manuale d'uso
User Manual
Manuel d'utilisation
Manual de uso
Benutzerhandbuch
用户手册
Manual do usuário

DIGI 2



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IMPORTANT RECOMMENDATIONS:

 **WARNING!** Cressi Sub S.p.A. recommends using the DIGI 2 console only after having read and understood this instruction manual.

 **WARNING!** Cressi Sub S.p.A. reserves the right to refuse to provide service under the warranty if the maintenance instructions provided in this manual are not followed.

 **WARNING!** Cressi Sub S.p.A. recommends that the DIGI 2 console be used only by those who have successfully completed a diving course and who have obtained the required diving license at the end of said course.

 **WARNING!** Cressi Sub S.p.A. declines all responsibility for damage resulting from improper use of the DIGI 2 console.

 **WARNING!** Never dive alone! The DIGI 2 console is not a replacement for a dive buddy.

 **WARNING!** The DIGI 2 console is a tool that should be used strictly for recreational and sport diving, and not in a professional environment.

 **WARNING!** Diving in areas with particularly poor visibility could make it difficult or impossible to read the DIGI 2 console. Avoid diving in these conditions.

 **WARNING!** Do not dive with the smart cover inserted into the display housing! Removing it at depth would cause the instrument to turn on belatedly, resulting in incorrect measurements of the parameters for depth, maximum depth, range, and dive time! Pay the utmost attention!

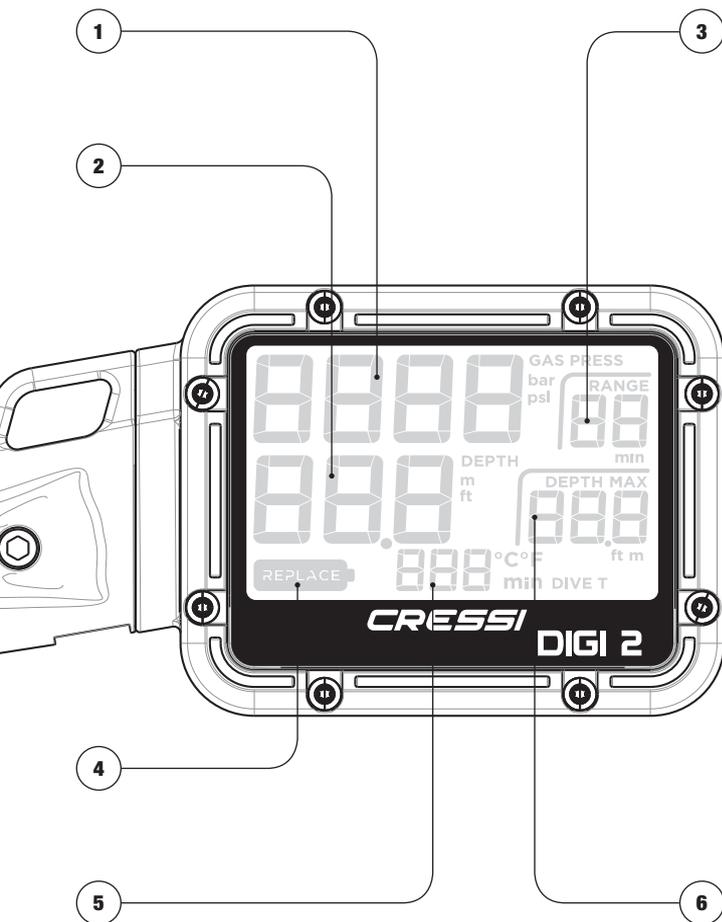
 **WARNING!** Before diving always check that the units of measure are set correctly. Incorrect settings could lead to confusion and an incorrect interpretation of the information provided, with possible serious harm to the health of the user.

 **WARNING!** Cressi Sub S.p.A. strongly recommends that you consult the data provided by the DIGI 2 console frequently during your dive. Conditions such as temperature, any physical exertion greater than a standard dive, or dives when under significant emotional stress can significantly vary air consumption, and divers can only prevent potential problems by carefully and frequently checking this information.

 **WARNING!** Only use breathable air that meets the requirements of UNI EN 12021.

 **IMPORTANT!** Do not exceed the equipment operating limits. The pressure gauge is certified for use at pressure no greater than 300 bar. The maximum operating pressure of the gauge is shown on the back of the instrument. Failure to take these precautions can result in serious injury or even death.

 **IMPORTANT!** Do not exceed the equipment operating limits. Keep in mind that open-circuit compressed-air diving apparatuses are certified to 50 m in depth under standard EN 250:2014. The purpose is to ensure a minimum level of safe operation for the device to a maximum depth of 50 m, given that teaching methodologies set a maximum depth of 40 m for recreational dives, and exclude the performance of any type of underwater work.



READING INFORMATION ON THE SCREEN

- | | |
|----------|--|
| 1 | CURRENT CYLINDER PRESSURE (set in BAR or PSI) |
| 2 | CURRENT DEPTH (set in m or ft) |
| 3 | RANGE |
| 4 | Battery status indicator (see BATTERY chapter)
DIVE TIME (minutes) of the previous dive |
| 5 | or TEMPERATURE (set in C° or F°).
This information appears in rotation on the screen. |
| 6 | MAXIMUM DEPTH reached in the previous dive
(set in m or ft) |

INTRODUCTION AND MAIN FEATURES

Congratulations, Cressi Sub S.p.A. congratulates you on your purchase of a DIGI 2 console, a complete and sophisticated device designed in our Research and Design Department and manufactured in Cressi Sub S.p.A. factories in Italy to guarantee sporting and recreational divers the maximum efficiency and reliability in the measurement and display of the main parameters needed to conduct a dive in complete safety.

 **WARNING!** Cressi Sub S.p.A. recommends that the DIGI 2 console be used only by those who have successfully completed a diving course and who have obtained the required diving license at the end of said course

What the DIGI 2 console is not:

 **WARNING!** In order to prevent improper use, it is absolutely imperative to understand that the DIGI 2 console is not a dive computer.

 **WARNING!** The DIGI 2 console makes no calculations, nor does it display any information regarding: decompression time and/or stops; no-decompression limits; ascent rate alarms; no-fly and/or post-dive desaturation times.

What the DIGI 2 console is:

The DIGI 2 console is a modern, DIGITAL, interpretation of the classic two-instrument analog console. It features a pressure gauge, depth gauge, and digital timer, all highly precise and certified, that guarantee accurate monitoring of tank pressure, depth, dive time, and other information helpful to the diver.

HOW TO CONNECT THE DIGI 2 CONSOLE

 **WARNING!** Whenever assembling or disassembling the regulator, make sure that it is not mounted to the tank valve. In the event that it is, make sure that the first stage/regulator unit is completely depressurized.

First, unscrew and remove the cap marked HP (7/16 UNF" thread) from the unpressurized 1st stage. Then, after checking that both the regulator housing and the hose O-ring are clean, manually screw the instrument's HP hose to the regulator 1st stage, and then tighten with an appropriate size wrench or crescent wrench, taking care not to exceed torque of 8 Nm.

 **IMPORTANT!** If you have any trouble connecting or assembling the DIGI 2 console, this operation must be performed by a qualified Cressi Sub S.p.A. technician. You can also contact your trusted merchant, so long as they are certified and authorized to work on Cressi Sub S.p.A. equipment.

WARNING! Cressi Sub S.p.A. declines all responsibility for any malfunction and/or damage resulting from incorrect or improper connection/assembly of the DIGI 2 console to the first stage/regulator unit!

IMPORTANT! Cressi Sub S.p.A. recommends that you arrange the DIGI 2 console within your preferred configuration in an optimal hydrodynamic position using the fasteners provided to prevent accidental knocks or snags.

HOW TO ACTIVATE THE DIGI 2 CONSOLE

Remove the smart cover (see the "SMART COVER" FUNCTIONS). The DIGI 2 console activates automatically when the first stage/regulator group connected to the cylinder is pressurized. Tank pressure must be greater than 10 BAR.

WARNING! Do not dive if the DIGI 2 is not correctly connected to a pressurized scuba unit.

LAUNCH SEQUENCE AFTER ACTIVATION

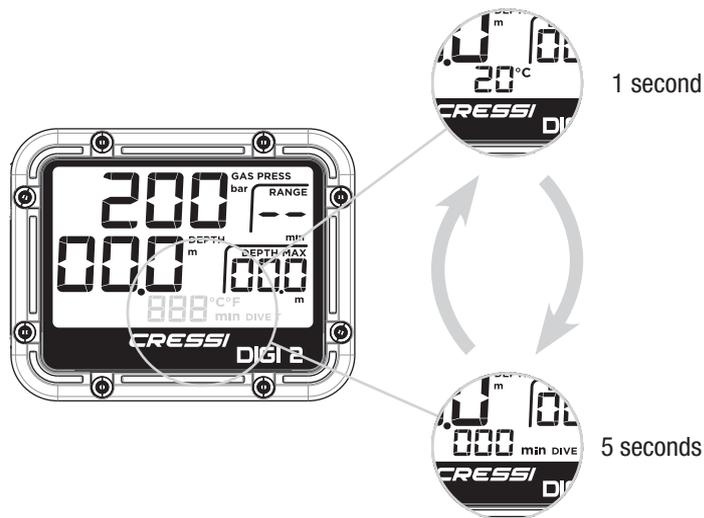
Immediately after it is activated, the DIGI 2 console will run the launch sequence, during which it will display, in order:

1. Switch on all segments
2. Version of FIRMWARE INSTALLED
3. TOTAL NUMBER OF DIVES TAKEN WITH THE DIGI 2 CONSOLE
4. Result of the most recent seal test: PASS/FAIL (see the CHANGE BATTERY chapter).

SURFACE SCREEN (PRE-DIVE)

After the launch sequence, the surface screen appears with the following information:

1. CURRENT CYLINDER PRESSURE (set in BAR or PSI)
 2. CURRENT DEPTH (set in m or ft)
 3. MAXIMUM DEPTH reached in the previous dive (set in m or ft)
 4. DIVE TIME (minutes) of the previous dive
– TEMPERATURE (set in C° or F°).
- This information appears in rotation on the screen.
5. BATTERY STATUS (see BATTERY chapter).



DIVE SCREEN

If the DIGI 2 console is active, the dive will begin once a depth of 1.2 meters is exceeded.

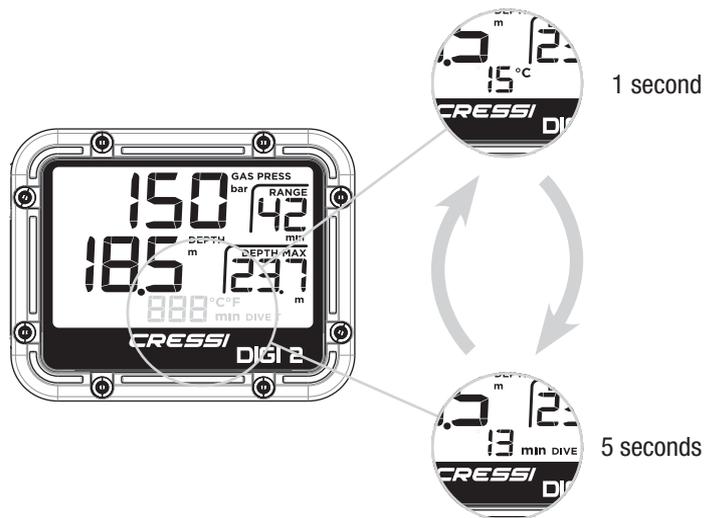
WARNING! Do not dive with the smart cover inserted into the display housing! Removing it at depth would cause the instrument to turn on belatedly, resulting in incorrect measurements of the parameters for depth, maximum depth, range, and dive time! Pay the utmost attention!

WARNING! Do not dive if the DIGI 2 console display shows any unexpected values, and contact a Cressi support center.

WARNING! Never bring the smart cover on the dive or get it wet.

Once a depth of 1.2 m is exceeded, the DIGI 2 console will show the following data:

1. Current cylinder pressure (set in BAR or PSI); the number will flash when the pressure falls below 50 BAR
2. Current depth (set in m or ft)
3. Maximum depth (set in m or ft)
4. Dive time (minutes) - temperature (set in c° or f°).
This information appears in rotation on the screen
5. Range (minutes): indicates time remaining until the threshold of 50 BAR is reached, calculated from the current depth and based on average air consumption detected in the preceding minutes.
Battery status (see BATTERY chapter).



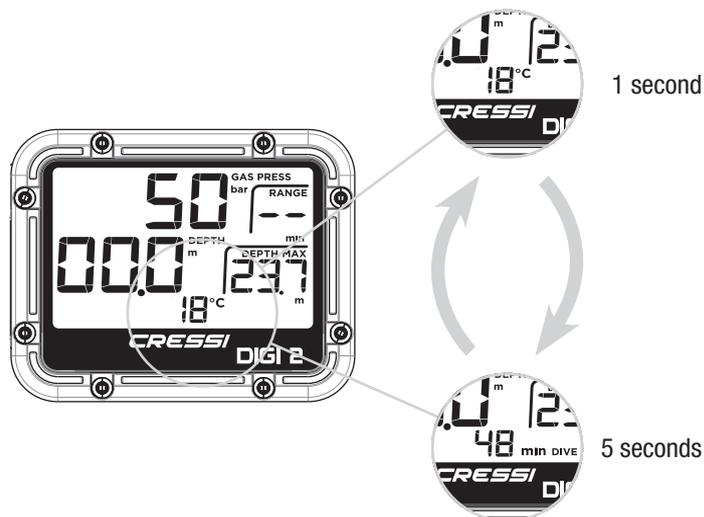
WARNING! The dive is considered concluded after two minutes on the surface (depth of less than 0.8 m). If you should descend again during this period of time, the DIGI 2 console will continue to increase the time (dive time preceding the second descent), considering it a single dive.

WARNING! Cressi Sub S.p.A. strongly recommends ending the dive with air reserves of at least 50 BAR. This amount of air is provided only for any unplanned emergencies. Below 50 BAR, the value indicated will flash.

WARNING! Cressi Sub S.p.A. strongly recommends that you consult the data provided by the DIGI 2 console frequently during your dive. Conditions such as temperature, any physical exertion greater than a standard dive, or dives when under significant emotional stress can significantly vary air consumption, and divers can only prevent potential problems by carefully and frequently checking this information.

WARNING! When the “replace” low battery warning appears, replace it with a new one.

SURFACE SCREEN (POST-DIVE)



When the dive is complete, two minutes after reaching the surface (depth < 0.8 m), the DIGI 2 console switches back to surface mode (see chapter SURFACE SCREEN [PRE-DIVE]). Thus it will show the following information:

1. CURRENT CYLINDER PRESSURE (set in BAR or PSI)
2. CURRENT DEPTH (set in m or ft)
3. MAXIMUM DEPTH reached in the previous dive (set in m or ft).

4. DIVE TIME (minutes) of the previous dive – TEMPERATURE (set in C° or F°).
This information appears in rotation on the screen
5. BATTERY STATUS (see BATTERY chapter).

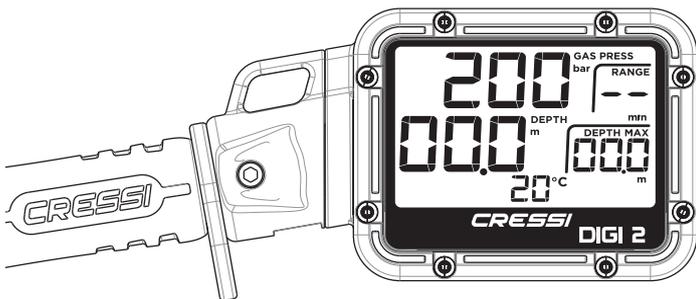
AUTOMATIC DISPLAY SWITCH-OFF

The DIGI 2 console switches off automatically after 2 minutes of inactivity when not under pressure.

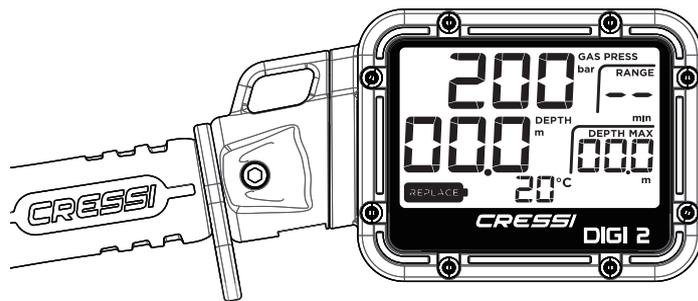
IMPORTANT! After the dive, always depressurize the scuba unit.

BATTERY

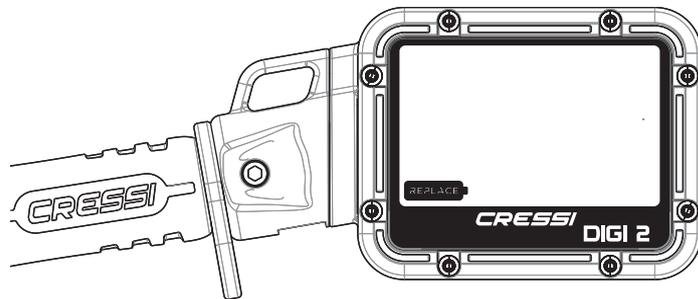
The DIGI 2 provides information about the battery power level through the following steps in the display of the **Battery Replace** icon “REPLACE”



1. “REPLACE” off: the instrument has optimum power to operate normally.



2. “REPLACE” on: the battery is low. Change the battery.



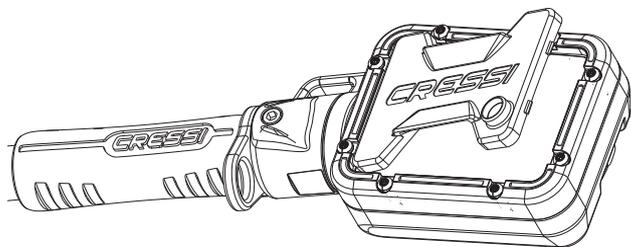
3. “REPLACE” on with the rest of the display off: in this condition the battery is not able to ensure the proper operation of the DIGI 2 console. For this reason the display does not show any information and all functions are disabled. The battery must be removed to avoid possible damage.

 **WARNING!** Keep in mind that planning one or more dives in cold water, or any time that the DIGI 2 console spends outside during the winter or inclement weather, will result in reduced battery power. Therefore, consider replacing it in advance as a precaution, or carry a ready battery replacement kit in case of need.

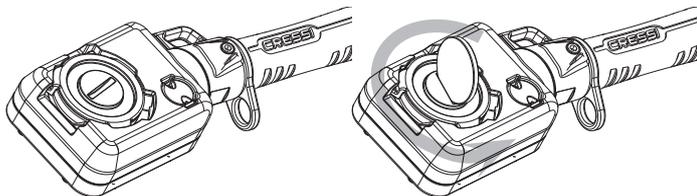
 **IMPORTANT!** Under ideal conditions, the battery lasts more than three years with an average of 50 dives a year, or one year with approximately 700 dives. Power consumption and the resulting life of the battery depend on its quality, any actions taken to safeguard the charge, and the external low-temperature conditions to which the DIGI 2 console may be subjected that can potentially decrease performance. We recommend employing all precautions provided in this instruction manual to safeguard the battery capacity. We recommend you keep in mind that planning one or more dives in cold water and/or time spent in areas with winter weather or harsh temperatures can result in reduced battery power. Therefore, consider replacing it in advance as a precaution, or carry a ready battery replacement kit in case of need.

CHANGING THE BATTERY

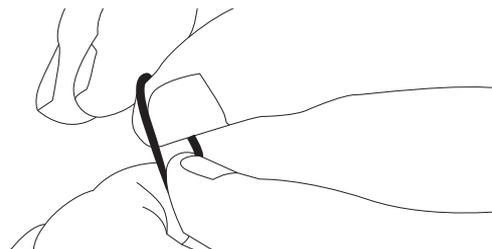
Follow these steps to replace the battery:



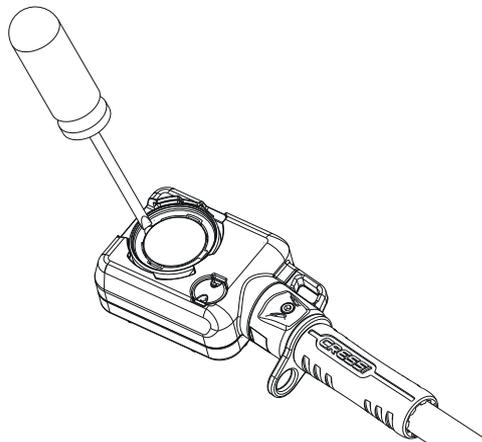
1. Remove the smart cover.



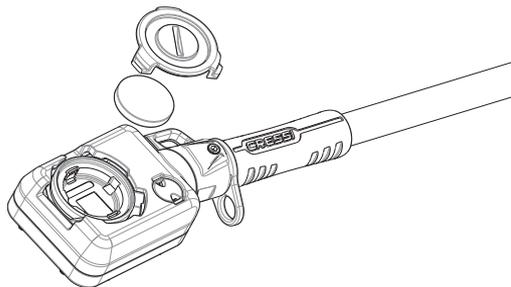
2. Use a coin of appropriate thickness to unscrew the battery compartment cover on the back of the DIGI 2 console.



3. Change the O-ring on the closure cap with a new one, and grease it lightly, using silicone grease ONLY.



4. Gently insert a pointed object (a small flat-head screwdriver) into the cavity, and carefully and delicately lever up the used battery.

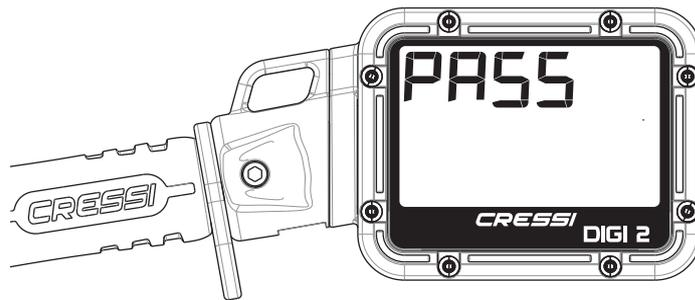


5. Change the CR2450 battery, taking care to position the new one the same way, with the positive pole facing outward without reclosing the cap.
6. Check that the display turns on, and wait for the countdown to begin with the battery compartment still open.
7. Within one minute of the countdown beginning, reclose the battery compartment closure cap.

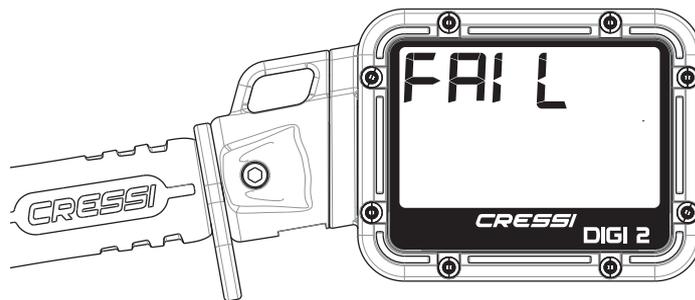
When the operation is complete, the DIGI 2 console will run the instrument seal test, which lasts a few minutes.

When the test concludes, the DIGI 2 console will provide a response regarding the battery change that was just performed:

8. **PASS.** The test was positive; the battery change was effective.



9. **FAIL.** The test was negative; the battery change must be repeated because the instrument is not safe from flooding.
REPEAT THE STEPS TO CHANGE THE BATTERY



 **IMPORTANT!** The result of the battery change test (pass or fail) can be viewed at any time after the battery is changed by simply reactivating the launch sequence via the smart cover or by pressurizing the DIGI 2 console (see chapter LAUNCH SEQUENCE AFTER ACTIVATION).

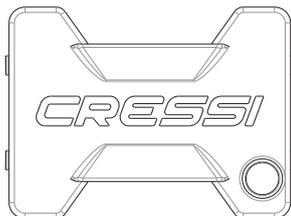
 **IMPORTANT!** Do not dispose of the used battery in the environment. Cressi Sub S.p.A. recommends that you dispose of it according to the regulations in force.

 **WARNING!** Cressi Sub S.p.A. recommends that you always replace and grease the battery cap O-ring each time it's necessary to open the compartment.

 **WARNING!** Cressi Sub S.p.A. recommends replacing the dead battery with the original kit, which is certified for the quality of its components. Kits are available from technical centers and/or trusted dealers authorized by Cressi Sub S.p.A.

 **WARNING!** If you should notice any humidity on the inside of the glass, immediately bring the DIGI 2 console to an authorized Cressi center. It is strictly forbidden to disassemble the console or its components; doing so will immediately void the warranty. Cressi Sub S.p.A. is not responsible for damage caused by an incorrect battery change and/or tampering with the DIGI 2 console by anyone not certified for this type of instrument.

“SMART COVER” FUNCTIONS



WARNING! Do not dive with the smart cover inserted into the display housing! Removing it at depth would cause the instrument to turn on belatedly, resulting in incorrect measurements of the parameters for depth, maximum depth, range, and dive time!

The “smart cover” protects the instrument from accidental blows, saves the battery when the device is not being used, allows you to change units of measure, and lets you temporarily switch on the display for a few minutes to check the battery power or to familiarize yourself with the device before the dive.

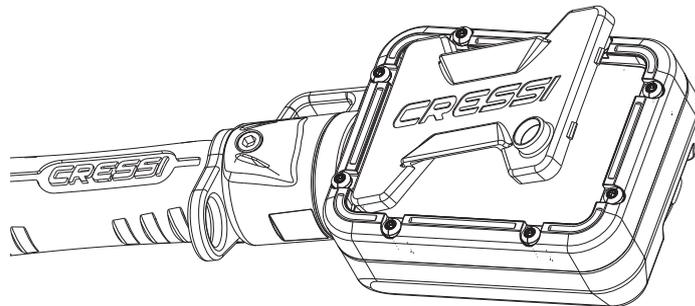
WARNING! Do not take the smart cover on dives or get it wet.

WARNING! Before diving, always check that the units of measure have been set correctly. Incorrect settings could lead to confusion and an incorrect interpretation of the information provided, with possible serious harm to the health of the user.

WARNING! The smart cover is not an integral part of the product, and must always be removed when connecting to the first stage/cylinder regulator unit.

WARNING! Because it is temporary, switching on the display using the smart cover does not allow for use of the DIGI 2 if it has not been correctly connected and activated (HOW TO CONNECT THE DIGI 2 CONSOLE and HOW TO ACTIVATE THE DIGI 2 CONSOLE).

To protect the instrument from accidental blows and to reduce battery consumption as much as possible, attach the smart cover as shown in the illustration below, checking that it is oriented correctly and pressing until it clicks in place.

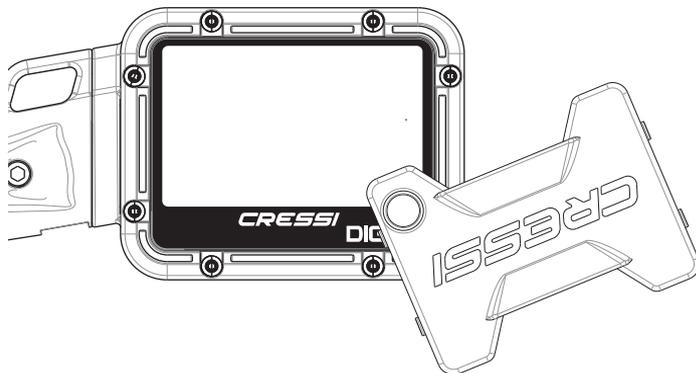


When the smart cover is removed, after a few seconds the display will switch on automatically, running the launch procedure and remaining on for two minutes.

After two minutes it will switch off automatically unless the DIGI 2 console is pressurized during that time, in which case it will remain on for use.

CHANGING THE UNIT OF MEASURE

To change the system for units of measure from metric (BAR, meters, degrees Centigrade) to Imperial (PSI, feet, degrees Fahrenheit) or vice versa depending on your needs, proceed as follows:

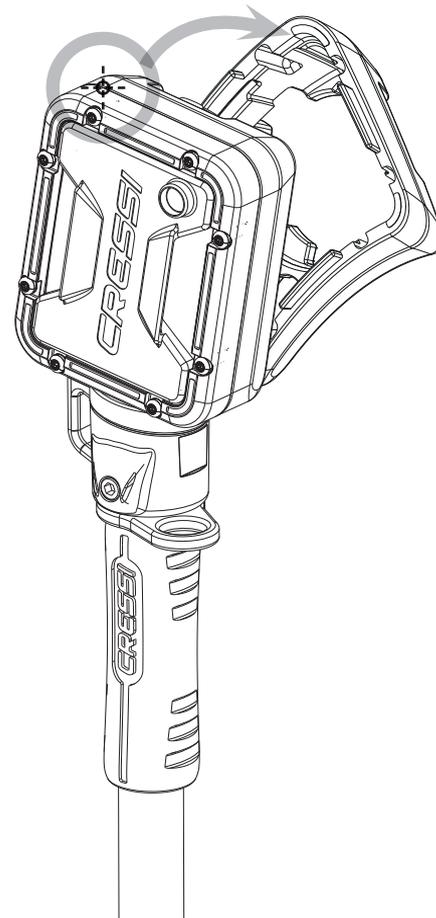


1. When the DIGI 2 console is switched on, turn it off by resting the smart cover against it, respecting the orientation in the figure. Remove the smart cover.
2. Wait for the launch sequence and repeat step 1.
3. Wait for the launch sequence and repeat step 1. Upon the next relaunch, the units of measure will be different from those shown before the procedure.

CHANGING COLORED PROTECTED COVER

The DIGI 2 console is covered by a silicone shell that gives the product its special look while also protecting it from accidental blows. Users or an authorized center can replace the shell by following these steps:

- Disconnect the device from the first stage/regulator group.
- Separate the shell from the body of the instrument, beginning with the point shown.
- Pull gently outward, undocking the cover from the four perimeter anchor points.
- At this point, slide the cover to be replaced over the hose.
- Slide on the new cover, taking care to insert all the stops in their respective grooves.
- Reconnect the instrument as explained in chapter: "HOW TO CONNECT THE DIGI 2 CONSOLE".



MAINTAINING THE DIGI 2 CONSOLE

The DIGI 2 console should be protected against crushing, blows, or friction from dragging along the ground or with any material that may compromise its functional and aesthetic characteristics. During storage and transport, the high-pressure hose should not be overly forced in the stowage with folds exceeding a 4 cm radius.

The DIGI 2 console should be rinsed thoroughly with fresh water after every dive.

 **IMPORTANT!** Do not use chemical products to wash the DIGI 2 console. Only use fresh water!

 **IMPORTANT!** Do not use jets of compressed air to dry the product, as these could damage the pressure sensor.

 **IMPORTANT!** A Cressi Sub Authorized Center must test the instrument calibrations once a year.

 **IMPORTANT!** Before every dive check that the instrument is in good condition, has no condensation under the glass, and that there are no air leaks.

The DIGI 2 console must not be left in locations with temperatures lower than -20° or higher than $+70^{\circ}$.

During periods when the device is not in use, we recommend storing it in a dry and well-ventilated location with the smart cover in place.

 **WARNING!** It is strictly prohibited to replace the hose originally assembled on the DIGI 2 console with another of a different type or model. Doing so will immediately void the warranty.

 **WARNING!** If you should need to disconnect the hose from the first stage/regulator unit from the DIGI 2, first make sure that there is absolutely no pressure in the hose.

 **WARNING!** Failure to observe the inspection and maintenance procedures can cause serious injury or even lead to death!

TECHNICAL INFORMATION

- **PRESSURE GAUGE OPERATION:** Operating pressure: 0-300 BAR
- **DEPTH GAUGE OPERATION:** Depth displayed: 0-120 meters
- **TEMPERATURE MEASUREMENT:** Range of measurement: from -10°C to $+50^{\circ}\text{C}$
Resolution: 1°C
Accuracy: $\pm 2^{\circ}\text{C}$
- **STORAGE TEMPERATURE:** from -20 to 70°C
- **TIMER:** Digital timer, dive time up to 999 minutes.
- **BATTERY:** User-replaceable CR 2450 battery.
Lifetime of the battery: 3 years with an average of 50 dives/year, or 700 dives in one year.
An original Cressi Sub S.p.A. battery kit is available, complete with all components to be replaced.
- **BACKLIGHTING:** The DIGI 2 console features a photoluminescent display. If illuminated by an external light source, it remains luminescent depending on exposure, so it can be consulted correctly in poor lighting conditions.

LIMITED WARRANTY

Cressi Sub S.p.A. guarantees the good operation of this product. Your Cressi Sub equipment is guaranteed for 2 years from the date of purchase by the original purchaser against clear manufacturing and/or assembly defects in the product or its individual parts, material not considered suitable that causes the equipment to malfunction, clear errors in the design, or instructions and warnings that are incorrect or

inadequate.

The warranty period begins on the date of the initial retail purchase as demonstrated by a receipt or invoice.

The warranty does NOT cover: damage caused by improper use of the equipment, poor maintenance, negligence or modifications, conversions, adaptations, or tampering with the finished product, or damage resulting from repairs performed by personnel not authorized by Cressi Sub.

The warranty is forfeited automatically should any of these conditions occur.

During the warranty period, Cressi Sub, or a Cressi Sub authorized service center, according to their exclusive judgment, will remove any defect in terms of material, design and workmanship, free of charge, by means of repair or replacement of the product according to this limited warranty.

Requests for repair under warranty will be satisfied free of charge by Cressi Sub or by a Cressi Sub authorized service center, according to their sole judgment, and the product will be repaired or replaced within a reasonable time.

If the product is deemed non-compliant with the terms and conditions of this limited warranty, Cressi Sub or a Cressi Sub authorized service center reserve the right to charge service and/or repair costs.

The warranty cannot be transferred by the first purchaser to a third party. A purchase receipt (with purchase date) from an authorized Cressi Sub dealer is required for warranty service.

Any repairs not covered by the warranty will be carried out at the owner's expense.

The warranty does not include any document or warranty granted by

retailers or agents beyond the terms of this warranty.

No retailer or agent is authorized to make any changes to this warranty or to grant an additional one.

For warranty repair, send the product, carriage forward, to your Cressi Sub retailer or to an authorized Service Center. Provide your full name and address, and enclose the purchase receipt or invoice.

You can find your authorized Cressi Sub center by asking your dealer or Cressi Sub S.p.A. itself by sending an e-mail to:

info@cressi.com.

Cressi Sub assumes no responsibility for any work carried out by personnel not authorized by Cressi Sub.

The instructions and directions found in this manual are based on the most up-to-date information about the equipment available before printing. Cressi Sub reserves the right to make changes to the content at any time.

REGULATORY REFERENCES

This instrument is compliant with the requirements of Directive 2014/30/EU electromagnetic compatibility.

This instrument satisfies the requirements set by UNI EN 250:2014 (pressure gauges for diving and Category III PPE); the latter in compliance with Regulation (EU) 2016/425, which sets out the conditions for marketing and essential minimum safety requirements for Personal Protective Equipment (PPE).

It therefore bears the CE marking followed by identification of the certification authority 0474 identifying RINA, the registered testing agency that conducted the testing and tests its manufacture pursuant

to module B+C2 of EU Regulation 2016/425.

The certification is valid to 50m in depth, as defined by UNI EN 250:2014.

This device was designed to satisfy the requirements set forth under standard UNI EN 13319:2000 regarding Depth Gauges and Combined Depth and Time Measuring Devices.

PRODUCT DISPOSAL

Consider the device to be electronic waste.

Do not throw it away with regular rubbish.

Deliver it to the special dedicated municipal areas or return it to Cressi Sub S.p.A.



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